

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:

Miao et al.

Serial No: 08/900,220

Filed: July 24, 1997

For: Method of Treating Dopaminergic and  
GABA-nergic Disorders

Art Unit: 1646

Attorney Docket No. CUV-044.01

Examiner: M. Brannock

**CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)**

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail, postage prepaid, in an envelope addressed to: Assistant Commissioner for Patents Washington, D.C. 20231 on the date indicated below:

[Click Here and Type Date]

Date of Signature  
and of Mail Deposit**DRAFT**  
Robert KingAssistant Commissioner of Patents  
Washington, D.C. 20231**RESPONSE UNDER 37 CFR 1.111**

Sir:

This amendment is being filed in response to the outstanding Office Action, mailed January 11, 2001, in connection with the above application. Please enter the following amendments:

**In the claims:**

For the convenience of the Examiner, all claims being examined, whether or not amended, are presented below.

35. (Twice Amended) An isolated nucleic acid encoding a polypeptide comprising a *hedgehog* amino acid sequence which is at least 98 percent identical to a *hedgehog* protein of SEQ ID No:17, or an N-terminal fragment thereof having a molecular weight of about 19 kD, [thereof,] which *hedgehog* amino acid sequence or fragment thereof binds to a *patched* protein or regulates proliferation of testicular germ line cells.